

10530333 Pomolic Acid

L1 1 POMOLIC ACID/CN

=> dis l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 13849-91-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Urs-12-en-28-oic acid, 3,19-dihydroxy-, (3 $\beta$ )- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urs-12-en-28-oic acid, 3 $\beta$ ,19-dihydroxy- (8CI)

OTHER NAMES:

CN 19 $\alpha$ -Hydroxyursolic acid

CN 3 $\beta$ ,19 $\alpha$ -Dihydroxy Urs-12-en-28-oic acid

CN Benthamic acid

CN Pomolic acid

CN Randialic acid A

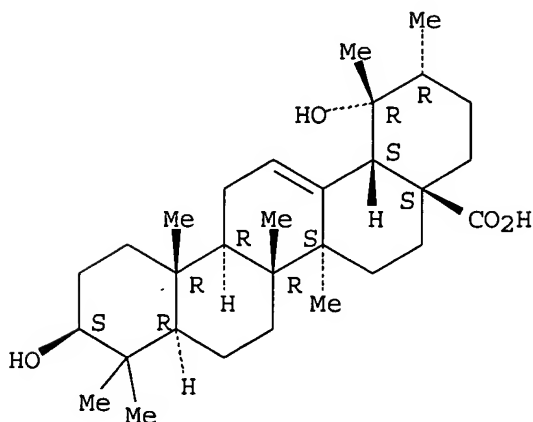
FS STEREOSEARCH

DR 11045-21-9, 11046-60-9

MF C30 H48 O4

LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS,  
DDFU, DRUGU, IPA, NAPRALERT, PROMT, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

119 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

119 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.35

7.56

FILE 'CAPLUS' ENTERED AT 20:33:36 ON 10 JAN 2007

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FILE COVERS 1907 - 10 Jan 2007 VOL 146 ISS 3  
FILE LAST UPDATED: 9 Jan 2007 (20070109/ED)

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Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L3 119 L2

=> dis l3

L3 ANSWER 1 OF 119 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2006:706769 CAPLUS  
DN 145:152597  
TI Bio-conjugated proteins having natural antibiotic and antioxidation activities  
IN Lee, Hwan Up  
PA Kim, Jong Won, S. Korea  
SO Repub. Korean Kongkae Taeho Kongbo, No pp. given  
CODEN: KRXXA7  
DT Patent  
LA Korean  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	KR 2004035503	A	20040429	KR 2002-64671	20021022
PRAI	KR 2002-64671		20021022		

=> dis l3 all

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L3 ANSWER 1 OF 119 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2006:706769 CAPLUS  
DN 145:152597  
ED Entered STN: 21 Jul 2006  
TI Bio-conjugated proteins having natural antibiotic and antioxidation activities  
IN Lee, Hwan Up  
PA Kim, Jong Won, S. Korea  
SO Repub. Korean Kongkae Taeho Kongbo, No pp. given  
CODEN: KRXXA7  
DT Patent  
LA Korean  
IC ICM A61K038-00  
CC 63-5 (Pharmaceuticals)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	KR 2004035503	A	20040429	KR 2002-64671	20021022
PRAI	KR 2002-64671		20021022		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
KR 2004035503	ICM	A61K038-00
	IPCI	A61K0038-00 [ICM,7]

AB Provided are bio-conjugated proteins having natural antibiotic and antioxidn. activities by solid-liquid separation of enzymes, alkaloids, diploids, proteins, vitamins, inorg. matters and the like and conjugating non-protein material with pure protein to give a polymer as a bioactive material with various kinds of amino acids. The bio-conjugated proteins are manufactured by the steps of: mixing 30 g of protein, 1 g of lipid, 8 g of carbohydrate, 200 g of sodium, 1000 mg of inositol, 1000 mg of luteolin, 1000 mg of gingerol, 1000 mg of shogaol, 1000 mg of allicin, 1000 mg of allinin, 1000 mg of menthol, 1000 mg of linolic glyceride, 1000 mg of phytosterol, 1000 mg of salinigrin, 1000 mg of zingerone, 1000 mg of eugenol, 1000 mg of eugenin, 1000 mg of glucoside, 1000 mg of pomole acid, 1000 mg of capsaicin, 5100 mg of saporin, 5200 mg of phenol acid, 1000 mg of glycyrrhizin, 1000 mg of rigrish, 1500 mg of L-ascorbic acid, 1000 mg of tocopherol, 1000 mg of citric acid, 1000 mg of tartaric acid, 600 mg of gallic acid, 1000 mg of sesamol, 1200 mg of lecithin, 1000 mg of phosphorus, 1000 mg of  $\beta$ -carotene, 1000 mg of niacin, 1000 mg of thiamin, 1000 mg of riboflavin, 1000 mg of folic acid, 1000 mg of potassium, 1000 mg of calcium, 500 mg of magnesium, 400 mg of iron, 300 mg of zinc, 5000 mg of tannic acid, and 10% of melanoidine; maturing the mixture at 15-20°C for 20 days; drying it at low temperature, followed by hydrolysis and liquid-solid separation; and concentrating the separated products, followed

by centrifugation, drying at low temperature and powdering.

ST protein conjugate antibiotic antioxidant

IT Proteins

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(conjugates; protein conjugates having antibiotic and antioxidn. activities)

IT Carboxylic acids, biological studies

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(phenolic, protein conjugates containing; protein conjugates having

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antibiotic and antioxidn. activities)

IT Sterols  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
(phytosterols, protein conjugates containing; protein conjugates having  
antibiotic and antioxidn. activities)

IT Carbohydrates, biological studies  
Glycosides  
Lecithins  
Lipids, biological studies  
Tannins  
Tocopherols  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
(protein conjugates containing; protein conjugates having antibiotic and  
antioxidn. activities)

IT Antibiotics  
Antioxidants  
(protein conjugates having antibiotic and antioxidn. activities)

IT Ribosome-inactivating proteins  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
(saporin, protein conjugates containing; protein conjugates having  
antibiotic and antioxidn. activities)

IT 50-81-7, L-Ascorbic acid, biological studies 59-30-3, Folic acid,  
biological studies 59-43-8, Thiamine, biological studies 59-67-6,  
Niacin, biological studies 77-92-9, Citric acid, biological studies  
83-88-5, Riboflavin, biological studies 87-69-4, Tartaric acid,  
biological studies 87-89-8, Inositol 89-78-1, Menthol 97-53-0,  
Eugenol 122-48-5, Zingerone 149-91-7, Gallic acid, biological studies  
404-86-4, Capsaicin 491-70-3, Luteolin 530-14-3, Salinigrin  
533-31-3, Sesamol 539-86-6, Allicin 555-66-8, Shogaol 1405-86-3,  
Glycyrrhizin 7235-40-7,  $\beta$ -Carotene 7439-89-6, Iron, biological  
studies 7439-95-4, Magnesium, biological studies 7440-09-7, Potassium,  
biological studies 7440-66-6, Zinc, biological studies 7440-70-2,  
Calcium, biological studies 7723-14-0, Phosphorus, biological studies  
13849-91-7, Pomolic acid 58253-27-3, Gingerol 847862-43-5,  
Eugenin  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
(protein conjugates containing; protein conjugates having antibiotic and  
antioxidn. activities)

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(FILE 'HOME' ENTERED AT 20:32:39 ON 10 JAN 2007)

FILE 'REGISTRY' ENTERED AT 20:32:50 ON 10 JAN 2007

L1 1 S POMOLIC ACID/CN

FILE 'CAPLUS' ENTERED AT 20:33:36 ON 10 JAN 2007

S POMOLIC ACID/CN

FILE 'REGISTRY' ENTERED AT 20:33:41 ON 10 JAN 2007

L2 1 S POMOLIC ACID/CN

FILE 'CAPLUS' ENTERED AT 20:33:42 ON 10 JAN 2007

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L3            119 S L2

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